

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	0	("diaphragmsamecoversameframesame (shoulderorprotrusion)samesymmetrical").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/17 20:28
L6	5	diaphragm same cover same frame same (shoulder or protrusion) same symmetrical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/17 20:28
S1	5176	sleep same monitor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/15 15:52
S2	1117	sleep same monitor and pressure same sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/15 15:52
S3	443	sleep same monitor and pressure same sensor and ((heart with rate) or repirat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/15 15:53
S4	729	sleep same monitor and bed	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/15 15:53
S5	2	"525703".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/15 15:56
S6	2	"20060129047"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/15 15:56

S7	2	JP-2001340309\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/15 16:06
S8	2	"6524239".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/15 16:09
S9	21	("5343869"   "5410471"   "5780798"   "5950632"   "6050940"   "6073046"   "6113539"   "6290646"   "6302844").PN. OR ("6524239").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 16:10
S10	24	("4020482"   "4242672"   "4263586"   "4484043"   "4539560"   "4595023"   "4633237"   "4638307"   "4845323"   "4888581"   "4907845"   "4951032"   "5410297").PN. OR ("5780798").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 16:11
S11	9	("3832603"   "4133592"   "5448996"   "5550324"   "5785659"   "6095844"   "6126611"   "6210339"   "6592528").PN. OR ("6942624").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 16:16
S12	15	("4320766"   "4686999"   "5448996"   "5479932"   "5515865"   "5522382").PN. OR ("6547743").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 16:19
S13	1	"5964720".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 16:21
S14	33	("4299233"   "4320766"   "4381788"   "4595023"   "4657025"   "4657026"   "4738264"   "4836215"   "4884578"   "4889131"   "4971065"   "5131399"   "5447167"   "5448996"   "5479932"   "5684460"   "5749365").PN. OR ("5964720").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 16:22
S15	24	("3760794"   "4064869"   "4169462"   "4258720"   "4492279"   "4576179").PN. OR ("4657026").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 16:24
S16	0	EP-0710827\$.did.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 16:48
S17	1	"5583295".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 16:50

S18	22	("3736436"   "3772628"   "4173900"   "4829814"   "4833929"   "4965660"   "4993266"   "5199303"   "5249468"   "5315875"   "5353633").PN. OR ("5583295").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 16:51
S20	376048	pressure same (sensor or transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/15 16:51
S21	6257	(diaphragm same piezoelectric)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 16:53
S22	2672	S20 and S21	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 16:53
S23	214	S20 and S21 and (contact with spring)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 17:07
S25	1	WO-200231461\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/16 07:28
S26	2	"6865950".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/16 07:29
S27	5	("3878477"   "6535460").PN. OR ("6865950").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/16 07:29
S28	29617	piezo\$ same (force or pressure) same (sensor or transducer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 07:34
S29	44	("3233041"   "3387149"   "3921623"   "4220160"   "4947859").PN. OR ("5035247").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/16 07:42
S30	262	(73/172).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/16 07:51

S32	30807	(large or big or "50")same(load or force)same(cover or lid or diaphram)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 07:57
S33	255	S28 and S32	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 07:57
S34	432034	(high same respons\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 08:11
S35	1522	S32 and S34	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 08:11
S36	14265	(large or big)same(load or force)same(cover or lid or diaphram)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 08:12
S37	776	S34 and S36	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 08:12
S38	67	S37 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 08:12
S39	8920	SAW same (sensor or transducer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 08:15
S40	1199	((accoustic adj wave) or SAW) same (sensor or transducer) same (pressure or force)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 08:16
S41	9	("20020078757"   "20020084858"   "20050109095"   "20050225214"   "3878477"   "4813271"   "6060812"   "6865950"   "6907787").PN. OR ("7151337").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/16 08:25
S42	235	(73/707).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/16 08:31

S43	2	ballisto adj cardiographic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/16 08:34
S44	25	ballisto\$ with cardiograph\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/16 08:35
S45	1368	(73/159).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/16 12:47
S46	559	(73/862.68).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/16 12:47
S47	463	(73/777).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/16 12:47
S48	227	(73/862.471).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/16 12:48
S49	85	(73/862.472).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/16 12:48
S50	102	(73/862.473).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/16 12:48

S51	171	(73/862.474).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/16 12:48
S52	296	(73/862.628).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/16 12:48
S54	174311	((heart with rate) or respirat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/16 13:02
S55	376048	pressure same (sensor or transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/16 13:03
S61	2	"4657026".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 13:15
S62	24	("3760794"   "4064869"   "4169462"   "4258720"   "4492279"   "4576179").PN. OR ("4657026").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/16 13:16
S63	423	(piezoelectric same diaphragm) and (pressure same sensor) and (diameter same diaphragm)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 13:33
S64	3	"20020067840"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 13:44
S65	12	("4803671" "5365937" "4570097" "4567395" "4590400" "5353633").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 13:46
S66	7609	S55 and (load same (rating or capacity))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 14:02

S67	142	S55 and (load same (rating or capacity)) same (kg or kilogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 14:03
S68	13	S55 same(load same (rating or capacity)) same (kg or kilogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 14:03
S69	66	S55 same responsivity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 14:15
S70	537	S55 and responsivity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 14:25
S71	471	S70 NOT S69	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 14:25
S72	26	S55 and (responsivity same load)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 14:26
S73	155	(US-20070276202-\$ or US-20070213622-\$ or US-20070149883-\$ or US-20060129047-\$ or US-20060293608-\$ or US-20060241510-\$ or US-20060101581-\$ or US-20060047217-\$ or US-20050248962-\$ or US-20050096559-\$ or US-20050093401-\$ or US-20050083207-\$ or US-20050075583-\$ or US-20040230398-\$ or US-20040189475-\$ or US-20040167801-\$ or US-20040162499-\$ or US-20040010202-\$ or US-20040000542-\$ or US-20030236474-\$ or US-20030216670-\$ or US-20030114736-\$ or US-20030045806-\$ or US-20020007124-\$ or US-20060090569-\$ or US-20050061080-\$).did. or (US-20070188529-\$ or US-20070045281-\$ or US-20060086186-\$ or US-20050252300-\$ or US-20040066023-\$ or US-20020157475-\$ or US-20070029388-\$ or US-20060243064-\$ or US-20060179918-\$ or US-20060130585-\$ or US-	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/16 14:28

20050231067-\$ or US-20050225214-\$ or US-  
20050194362-\$ or US-20050156484-\$ or US-  
20050151544-\$ or US-20050109095-\$ or US-  
20020084858-\$ or US-20050284668-\$ or US-  
20070273248-\$ or US-20060123916-\$ or US-  
20040255681-\$ or US-20030205448-\$ or US-  
20030143122-\$ or US-20030161692-\$).did. or (US-  
6524239-\$ or US-5780798-\$ or US-7253366-\$ or US-  
7026940-\$ or US-7001334-\$ or US-6821258-\$ or US-  
6791460-\$ or US-6307476-\$ or US-4951032-\$ or US-  
4907845-\$ or US-4888581-\$ or US-4633237-\$ or US-  
4263586-\$ or US-4242672-\$ or US-4020482-\$ or US-  
7319400-\$ or US-7048697-\$ or US-6942624-\$ or US-  
6917293-\$ or US-6816266-\$ or US-6561984-\$ or US-  
6549140-\$ or US-6547743-\$ or US-6532957-\$ or US-  
6485441-\$ or US-6454724-\$).did. or (US-6098223-\$ or  
US-6062216-\$ or US-6011477-\$ or US-5964720-\$ or  
US-7314451-\$ or US-7183930-\$ or US-7077810-\$ or  
US-6984207-\$ or US-6450957-\$ or US-5684460-\$ or  
US-4971065-\$ or US-5131399-\$ or US-4884578-\$ or  
US-4836215-\$ or US-4738264-\$ or US-4657026-\$ or  
US-7011087-\$ or US-5989193-\$ or US-5435317-\$ or  
US-3760794-\$ or US-4657025-\$ or US-4320766-\$ or  
US-5291013-\$ or US-5233983-\$ or US-5144284-\$ or  
US-5062169-\$ or US-4827763-\$).did. or (US-5583295-\$  
or US-7171857-\$ or US-6865950-\$ or US-7151337-\$ or  
US-7100432-\$ or US-6535460-\$ or US-5889873-\$ or  
US-5753798-\$ or US-5554809-\$ or US-5290972-\$ or  
US-5035247-\$ or US-4947859-\$ or US-5148706-\$ or  
US-6997060-\$ or US-6848153-\$ or US-6229427-\$ or  
US-5257547-\$ or US-4216401-\$ or US-7243547-\$ or  
US-7198981-\$ or US-7154263-\$ or US-5445159-\$ or  
US-6024705-\$ or US-7107095-\$ or US-6347555-\$ or  
US-5900592-\$ or US-5773728-\$).did. or (US-5682000-\$  
or US-5526703-\$ or US-5365799-\$ or US-4974454-\$ or  
US-4924713-\$ or US-4807482-\$ or US-4680606-\$ or  
US-4645024-\$ or US-4576052-\$ or US-6375621-\$ or  
US-6239706-\$ or US-5365937-\$ or US-5353633-\$ or  
US-4803671-\$ or US-4974679-\$ or US-4825967-\$ or



		US-4665276-\$).did. or (US-2684671-\$ or US-3481324-\$).did. or (EP-1719981-\$).did. or (JP-2001340309-\$).did. or (WO-2004018986-\$ or WO-200231461-\$ or US-4681098-\$ or US-4657026-\$).did.				
S74	65	S73 and sensitivity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 14:28
S75	22	("20020078757"   "20020084858"   "20050109095"   "20050225214"   "3878477"   "4813271"   "6060812"   "6865950"   "6907787").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 14:35
S76	1229	310/348.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 14:55
S77	89	310/348.ccls. and S55	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/16 14:55
S78	9	("20020078757"   "20020084858"   "20050109095"   "20050225214"   "3878477"   "4813271"   "6060812"   "6865950"   "6907787").PN. OR ("7151337").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/16 14:58
S79	1	"5585571".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/16 15:23
S80	1803	cullen.in.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/16 15:26
S81	35	cullen.in. and ((acoustic same wave same surface) or SAW)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/16 15:27
S82	25	("3858064"   "3878477"   "3940636").PN. OR ("4100811").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/16 15:33
S83	5	(piezo with diaphragm and pressure same sensor)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/16 15:44
S84	20	(piezo\$ with diaphragm and pressure same sensor)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/16 15:44

S85	22	(piezo\$ with diaphragm and pressure same sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/16 15:44
S86	24	("3760794"   "4064869"   "4169462"   "4258720"   "4492279"   "4576179").PN. OR ("4657026").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/16 15:53
S87	6	("5902255" "5448996" "20040111045").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/18 14:57
S88	862	338/2,5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/18 15:08
S89	365	338/5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/18 15:08
S90	597	338/4.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/18 15:08
S91	2	"6482187".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/18 16:50
S92	2	"6972006"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/18 16:51
S93	2	"5583295".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/02/11 08:47
S97	539376	(force or pressure or vibration) same (sensor or transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/06 16:07
S99	9484	(piezoelectric or (piezo adj electric)) with diaphragm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/06 16:09

S100	2815	S97 and S99	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/06 16:09
S101	1486	S97 same S99	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/06 16:11
S102	355	S101 and "73".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/06 16:18
S103	12	("4007343"   "4265124"   "4546785"   "5142912"   "5177579"   "5275035"   "5619022"   "5708245"   "6117086"   "6125218"   "6311561"   "6580042").PN. OR ("7322246").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/06 16:23
S104	486	housing and S101	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/06 16:27
S105	1237	button same load same cell	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/06 16:29
S106	4420	compression same load same cell	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/06 16:30
S107	321	button with load with cell	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/06 16:30
S108	1901	compression with load with cell	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/06 16:30
S109	1490	compression with load adj cell	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/06 16:30
S110	563	("L14" or S105) and S97	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/06 16:31

S111	563	(S110 or S105) and S97	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/06 16:32
S112	1	"525703".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/06 16:38
S113	0	37/715.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/06 16:41
S114	1438	73/715.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/06 16:41
S115	2780	(force or pressure) same (sensor or transducer) same diaphragm.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/06 16:54
S116	36919	load adj cell	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/06 17:03
S117	0	EP-710827\$.did.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/07 08:40
S118	3353	(force or pressure) same sensor same load adj cell	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/07 09:04
S119	909	S118 and "73".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/07 09:04
S120	5	("4295009").PN. OR ("5889873").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/07 09:19

S121	204	(US-20070276202-\$ or US-20070213622-\$ or US-20070149883-\$ or US-20060129047-\$ or US-20060293608-\$ or US-20060241510-\$ or US-20060101581-\$ or US-20060047217-\$ or US-20050248962-\$ or US-20050096559-\$ or US-20050093401-\$ or US-20050083207-\$ or US-20050075583-\$ or US-20040230398-\$ or US-20040189475-\$ or US-20040167801-\$ or US-20040162499-\$ or US-20040010202-\$ or US-20040000542-\$ or US-20030236474-\$ or US-20030216670-\$ or US-20030114736-\$ or US-20030045806-\$ or US-20020007124-\$ or US-20060090569-\$ or US-20050061080-\$).did. or (US-20070188529-\$ or US-20070045281-\$ or US-20060086186-\$ or US-20050252300-\$ or US-20040066023-\$ or US-20020157475-\$ or US-20070029388-\$ or US-20060243064-\$ or US-20060179918-\$ or US-20060130585-\$ or US-20050231067-\$ or US-20050225214-\$ or US-20050194362-\$ or US-20050156484-\$ or US-20050151544-\$ or US-20050109095-\$ or US-20020084858-\$ or US-20050284668-\$ or US-20070273248-\$ or US-20060123916-\$ or US-20040255681-\$ or US-20030205448-\$ or US-20030143122-\$ or US-20030161692-\$ or US-20010007403-\$ or US-20040111045-\$ or US-20020100330-\$).did. or (US-20030049939-\$ or US-20080034878-\$ or US-20070261496-\$ or US-20040074281-\$).did. or (US-6524239-\$ or US-5780798-\$ or US-7253366-\$ or US-7026940-\$ or US-7001334-\$ or US-6821258-\$ or US-6791460-\$ or US-6307476-\$ or US-4951032-\$ or US-4907845-\$ or US-4888581-\$ or US-4633237-\$ or US-4263586-\$ or US-4242672-\$ or US-4020482-\$ or US-7319400-\$ or US-7048697-\$ or US-6942624-\$ or US-6917293-\$ or US-6816266-\$ or US-6561984-\$ or US-6549140-\$ or US-6547743-\$ or US-6532957-\$ or US-6485441-\$ or US-6454724-\$).did. or (US-6098223-\$ or US-6062216-\$ or US-6011477-\$ or US-5964720-\$ or US-7314451-\$ or US-7183930-\$ or	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 10:31
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US-7077810-\$ or US-6984207-\$ or US-6450957-\$ or  
US-5684460-\$ or US-4971065-\$ or US-5131399-\$ or  
US-4884578-\$ or US-4836215-\$ or US-4738264-\$ or  
US-4657026-\$ or US-7011087-\$ or US-5989193-\$ or  
US-5435317-\$ or US-3760794-\$ or US-4657025-\$ or  
US-4320766-\$ or US-5291013-\$ or US-5233983-\$ or  
US-5144284-\$ or US-5062169-\$ or US-4827763-\$).did.  
or (US-5583295-\$ or US-7171857-\$ or US-6865950-\$  
or US-7151337-\$ or US-7100432-\$ or US-6535460-\$ or  
US-5889873-\$ or US-5753798-\$ or US-5554809-\$ or  
US-5290972-\$ or US-5035247-\$ or US-4947859-\$ or  
US-5148706-\$ or US-6997060-\$ or US-6848153-\$ or  
US-6229427-\$ or US-5257547-\$ or US-4216401-\$ or  
US-7243547-\$ or US-7198981-\$ or US-7154263-\$ or  
US-5445159-\$ or US-6024705-\$ or US-7107095-\$ or  
US-6347555-\$ or US-5900592-\$ or US-5773728-\$).did.  
or (US-5682000-\$ or US-5526703-\$ or US-5365799-\$  
or US-4974454-\$ or US-4924713-\$ or US-4807482-\$ or  
US-4680606-\$ or US-4645024-\$ or US-4576052-\$ or  
US-6375621-\$ or US-6239706-\$ or US-5365937-\$ or  
US-5353633-\$ or US-4803671-\$ or US-4974679-\$ or  
US-4825967-\$ or US-4665276-\$ or US-7298067-\$ or  
US-4990814-\$ or US-4454440-\$ or US-4422055-\$ or  
US-4213104-\$ or US-4100811-\$ or US-7165455-\$ or  
US-5585571-\$ or US-4595853-\$ or US-4382386-\$).did.  
or (US-4361050-\$ or US-4361026-\$ or US-4326423-\$  
or US-4296347-\$ or US-5889353-\$ or US-4895026-\$ or  
US-4672853-\$ or US-4672411-\$ or US-5902255-\$ or  
US-5448996-\$ or US-7322246-\$ or US-6580042-\$ or  
US-5708245-\$ or US-5142912-\$ or US-4265124-\$ or  
US-6976903-\$ or US-7197937-\$ or US-7152479-\$ or  
US-7082835-\$ or US-7047813-\$ or US-7043995-\$ or  
US-6993973-\$ or US-7316163-\$ or US-7225679-\$ or  
US-7140261-\$ or US-7137954-\$ or US-4761582-\$).did.  
or (US-4665735-\$ or US-4228379-\$ or US-4295009-\$).  
did. or (US-2684671-\$ or US-3481324-\$).did. or (EP-  
1719981-\$).did. or (JP-2001340309-\$).did. or (WO-  
2004018986-\$ or WO-200231461-\$ or US-4681098-\$ or  
US-4657026-\$ or WO-2004045407-\$ or US-5448996-\$

		or EP-476138-\$.did.				
S122	3	S121 and "50" adj kg	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 10:31
S124	35	S121 and metal same diaphragm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 11:10
S125	1070	metal same diaphragm same housing same base same (attach\$2 or secur\$2 or solder or weld)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 12:38
S126	127	S125 and (force or pressure) same (sensor or transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 12:39
S127	5798	piezoceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 12:50
S128	1	GB-2352814\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 12:52
S129	33	S121 and SAW	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 12:54
S130	3384	piezoceramic and (sensor or transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 12:58

S131	174	S130 and SAW	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 12:58
S132	5	S121 and piezoceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 13:35
S133	24749	(sensor or transducer) same contact same spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:11
S134	2627	S133 and diaphragm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:12
S135	276	S133 and diaphragm and piezo	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:12
S136	17	S121 and (impedance same amplifier)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:25
S137	1395	amplifier same impedance same (matched or settl(\$3) same output same load	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:30
S138	233	(sensor or transducer) and S137	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:31



S139	1	(sensor or transducer) and (pressure or force) same impedance same amplifier same output	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:34
S140	1	(sensor or transducer) and (pressure or force) same impedance same amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:35
S141	2593	(sensor or transducer) and (pressure or force) same impedance same amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:35
S142	1977	(sensor or transducer) and (pressure or force) same impedance same amplifier same output	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:35
S143	505	(sensor or transducer) and (pressure or force) same impedance same amplifier same output same zero	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:35
S144	5	(sensor or transducer) and (pressure or force) same impedance same amplifier same settling same time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:39
S145	541	(sensor or transducer) and (pressure or force) same impedance same amplifier same load	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:41
S146	25066	amplifier same setting same time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:42

S147	284090	(force or pressure) near4 (sensor or transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:43
S148	1041	S147 and S146	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:43
S150	1423	impedance same matched same zero same output	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:44
S151	8	S148 and S150	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:44
S152	23362	impedance same matched	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:48
S153	23	S152 and S148	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:48
S154	20447	settling near4 time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:50
S155	284090	(pressure or force) near4 (sensor or transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:51

S157	1051	S154 and S155	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 14:52
S158	226	impedance with settling near4 time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 15:01
S159	34	S158 and sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 15:04
S160	15	S158 and transducer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/07 15:04
S161	842	(73/700).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/03/10 14:37
S162	1438	(73/715).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/03/10 14:37
S163	569	(73/714).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/03/10 14:37
S164	361	(361/283.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/03/10 14:37

S165	131	(361/283.3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/03/10 14:37
S166	188	S162 and (deflect or deflectable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/10 15:12
S167	363	S162 and (deflect\$)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/10 15:17
S168	175	S167 not S166	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/10 15:17
S169	66	S161 and deflect\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/10 15:23
S170	9	("5199303"   "5249468"   "5315875"   "5483994"   "5488868"   "5503023"   "5559280").PN. OR ("5703282").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/10 15:32
S172	9512	(piezoelectric or (piezo adj electric)) with diaphragm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/10 16:10
S173	698	S172 and "73".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/10 16:10
S174	142	S172 and "73".clas. and diaphragm with (radius or diameter or circle or circular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/10 16:11

S175	556	S173 NOT S174	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/10 16:20
S176	8	"079130".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/10 16:39
S177	284866	(pressure or force) near4 (sensor or transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 15:25
S178	33330	S177 and (sensor or detect\$4) with range	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 15:25
S179	5620	S177 and (sensor or detect\$4) with range and piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 15:25
S180	2838	S177 and (detect\$4) with range and piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 15:25
S181	583	S177 and (detect\$4) with range and piezoelectric and "73".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 15:26
S182	18536	S177 and (pressure or load) with (range or sensitivity) and (piezoelectric or (piezo ajd electric))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 15:32

S183	871	S177 and (pressure or load) with (range or sensitivity) and (piezoelectric or (piezo and electric)) with diaphragm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 15:32
S184	164	S177 and (minimum same detectable same change)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 15:39
S185	9	S177 and (minimum same detectable same change same diaphragm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 15:40
S186	21	S177 and (range same detectable same change same diaphragm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 15:42
S187	343	piezoelectric same electric same sensor same range	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 16:13
S188	83	piezoelectric same electric same sensor same range same pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 16:13
S189	236	pressure same sensor same detectable same range	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 16:17
S197	2491	change same (load or force or pressure) same (less) same range same measure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 16:21

S198	10986	range same (detect or measure) same (force or pressure) and S177	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 16:22
S199	1092	less same range same (detect or measure) same (force or pressure) and S177	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 16:22
S200	399	less same range same (detect or measure) same (force or pressure) and S177 and "73".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 16:22
S201	199	less same range same (detect or measure) same (force or pressure) and S177 and piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 16:39
S203	842	(73/700).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/03/13 16:41
S204	1439	(73/715).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/03/13 16:41
S205	569	(73/714).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/03/13 16:41
S206	361	(361/283.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/03/13 16:41

S207	131	(361/283.3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/03/13 16:41
S208	3252	S203 or S204 or S205 or S206 or S207	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 16:41
S209	539	S208 and sensitivity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 16:42
S210	669	S208 and sensitive	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 16:42
S211	919	S209 or S210	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 16:42
S212	44	pressure same sensor same output same zero same change near4 input	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 17:45
S213	4	pressure same sensor near4 output near4 zero same change near4 input	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 17:46
S214	347	pressure same sensor near4 output near4 zero	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 17:46



S215	39	constant same pressure same sensor near4 output near4 zero	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 17:48
S216	14	constant near4 pressure same sensor near4 output near4 zero	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 17:48
S217	25657	(sleep or movement) same pressure same sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 17:57
S218	1016	(sleep) same pressure same sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 17:57
S219	7	(sleep) same pressure same sensor and sensor near4 output near4 zero	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 17:58
S220	316	(sleep) same pressure same sensor and "600".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 17:58
S221	215	amplifier same impedance same settling same time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 18:00
S222	3	S221 and (pressure with sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 18:00
S223	44	("3233041"   "3387149"   "3921623"   "4220160"   "4947859").PN. OR ("5035247").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/13 18:13

S224	2029	pressure same spring same sensor same diaphragm	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/13 18:25
S225	17	pressure same spring same sensor same diaphragm same piezoelectric	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/13 18:25
S226	520	pressure same spring same sensor same diaphragm same contact	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/13 18:26
S227	750	pressure same spring same sensor same diaphragm same signal	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/13 18:27
S229	126	pressure same sensor same diaphragm same spring near4 contact\$2	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/13 18:36
S230	7	("20010047689"   "20020033048"   "4366716"   "5134886"   "5531128"   "5641911"   "6496348").PN. OR ("6877382").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/13 18:40
S231	472	piezoelectric same diaphragm same spring same contacts	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/13 18:41
S232	472	piezoelectric same diaphragm same spring same contact	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/13 18:41
S233	340	S208 and spring same diaphragm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 18:45
S234	2	"6612175".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 18:52
S235	6	S208 and contact adj spring same diaphragm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 18:54
S236	20	S208 and contact near4 spring same diaphragm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/13 18:55

S238	261	(cover or lid or case) same adapter same fluid and pressure same sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/14 12:02
S239	1439	(73/715).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/03/14 12:10
S240	2	"4393321".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/14 12:53
S241	2	("20020067840").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/04 15:08
S242	3232	vibration same pressure same sensor.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/04 15:11
S243	58	S242 and piezoelectric same ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/04 15:11
S244	143094	pressure same sensor.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/04 15:12
S245	58	S243 and S244	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/04 15:12

S246	607	S244 and piezoelectric same ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/04 15:12
S247	1093	metal same ceramic same (pressure or force) same diaphragm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/04 16:10
S248	3	"4228379".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/05/07 13:36
S249	2	"20030216845"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/05/07 13:52

### EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	0	diaphragm same cover same frame same (shoulder or protrusion) same symmetrical	USPAT; UPAD	OR	ON	2009/12/17 20:26
L4	0	piezoelectric same ceramic same diaphragm same cover same frame same (shoulder or protrusion) same symmetrical	USPAT; UPAD	OR	ON	2009/12/17 20:27

12/ 17/ 2009 8:35:54 PM

C:\Documents and Settings\mstout\My Documents\EAST\Workspaces\10525703-outgoing.wsp